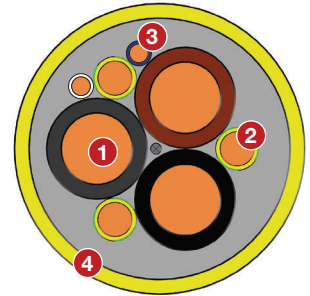


UTVFLEX® - PUR TM HF

DIN VDE 0250 Part 812 approved

Power supply to mobile equipment with high risk of mechanical damage in mining and tunneling. Due to without anti-twisting protection, is suitable for application where it is deflected in one plane only. Maximum speed 60 m/min.



- 1 PHASE CONDUCTORS**
 MATERIAL: Plain copper
 CONSTRUCTION: flexible class 5 IEC 60228
 INSULATION: XLPE special compound, Brown-Black-Grey
- 2 EARTH CORES**
 MATERIAL: Plain copper
 CONSTRUCTION: flexible class 5 IEC 60228
 INSULATION: XLPE special compound, Yellow/Green
- 3 CONTROL CORES (IF ANY)**
 MATERIAL: Tinned copper
 CONSTRUCTION: Class. 6 according to IEC 60228
 INSULATION: Thin thickness made of special tecnopolymer.
 COLOUR: white with printed number or new colour code white-blue
- 4 OUTER SHEAT**
 MATERIAL: HFFR* thermoplastic polyurethane compound, abrasion, tear, chemical & hydrolysis resistant
 COLOUR: Yellow
 STANDARD REFERENCE: based on UC specifications

*Halogen free and flame retardant

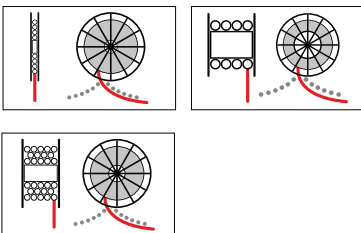
ELECTRICAL WORKING DATA

Nominal rated voltage U_0 / U	kV	0,6/1
Test voltage	kV	3,5

THERMAL WORKING DATA

Maximum short circuit temperature	°C	250
Maximum working temp. on the conductor	°C	90
Minimum ambient temperature	°C	Flex condition: -30
		Fixed condition: -40

APPLICATION



MECHANICAL WORKING DATA

Bending radius mm According to VDE 0298 Part 3

CHEMICAL WORKING DATA

Weather resistance For indoor and outdoor application

NUMBER OF CORES AND NOMINAL CROSS SECTION Nr × mm ²	MAIN CONDUCTORS COPPER Ø mm	PROTECTIVE EARTH COND. COPPER Ø mm	MIN OVERALL Ø mm	MAX OVERALL Ø mm	NET WEIGHT APPROX kg/km	MAX TENSILE LOAD N
3×25+3G6	6,5	3,0	24,0	26,0	1190	2250
3×35+3G6	7,5	3,0	25,5	28,0	1470	3150
3×50+3G10	9,1	3,9	29,5	32,0	2070	4500
3×70+3G16	10,8	5,1	34,0	37,0	2970	6300
3×95+3G16	12,1	5,1	37,5	40,5	3610	8550
3×120+3G25	14,3	6,5	42,0	45,0	4760	10800
3×150+3G25	16,1	6,5	47,5	50,5	5790	13500
3×185+3G35	17,5	7,5	52,0	55,0	7040	16650
3×240+3G50	19,9	9,1	58,0	61,0	9150	21600

K	1,1	1,05	0,95	0,89	0,84	0,77
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NUMBER OF CORES AND NOMINAL CROSS SECTION Nr × mm ²	MAIN CONDUCTORS COPPER Ø mm	PROTECTIVE EARTH COND. COPPER Ø mm	CONTROL CONDUCTORS INSULATED Ø mm	MIN OVERALL Ø mm	MAX OVERALL Ø mm	NET WEIGHT APPROX kg/km	MAX TENSILE LOAD N
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3×25+3G6+2×1.5	6,5	3,0	2,6	25,0	27,5	1290	2250
3×35+3G6+2×1.5	7,5	3,0	2,6	26,0	28,5	1550	3150
3×50+3G10+2×1.5	9,1	3,9	2,6	29,5	32,0	2100	4500
3×70+3G16+2×1.5	10,8	5,1	2,6	34,0	37,0	3000	6300
3×95+3G16+2×1.5	12,1	5,1	2,6	37,5	40,5	3640	8550
3×120+3G25+2×1.5	14,3	6,5	2,6	42,0	45,0	4790	10800
3×150+3G25+2×1.5	16,1	6,5	2,6	47,5	50,5	5830	13500
3×185+3G35+2×1.5	17,5	7,5	2,6	52,0	55,0	7070	16650
3×240+3G50+2×1.5	19,9	9,1	2,6	58,0	61,0	9180	21600

The diameter and weight shown is approximate, they may have some tolerance (to be confirmed when ordering). Other cross sections and colors available upon request.